

Title (en)

Mobile electronic device and charge control method

Title (de)

Mobile elektronische Vorrichtung und Ladekontrollmethode

Title (fr)

Dispositif électronique mobile et procédé de commande de charge

Publication

EP 2897248 A1 20150722 (EN)

Application

EP 14198026 A 20141215

Priority

JP 2014006132 A 20140116

Abstract (en)

A mobile electronic device (1) includes a first charging terminal (111) that is to be brought into contact with a second charging terminal (21) of a battery charger (2), a battery (19) that is charged by electric power that is supplied from an external power supply via the first charging terminal (111), a resistor (14) that is arranged between the first charging terminal (111) and the battery (19), and a processor (17) that measures voltage values of both ends of the resistor (14), that calculates, on the basis of the voltage values of the both ends, a terminal voltage value of the second charging terminal (21), and a resistance value of the resistor (14), an electric power consumption value of a contact portion in which the first charging terminal (111) is brought into contact with the second charging terminal (21), and that stops charging the battery (19) when the electric power consumption value is equal to or greater than a threshold.

IPC 8 full level

H02J 7/00 (2006.01); **G01R 1/20** (2006.01); **G01R 27/20** (2006.01)

CPC (source: EP US)

H02J 7/00 (2013.01 - US); **H02J 7/00308** (2020.01 - EP US); **H02J 7/00309** (2020.01 - EP US); **H02J 7/00304** (2020.01 - EP US); **H02J 7/00711** (2020.01 - EP US)

Citation (applicant)

- JP 2004194481 A 20040708 - MATSUSHITA ELECTRIC IND CO LTD
- JP H10327536 A 19981208 - TAIHEIYO KOGYO KK

Citation (search report)

- [A] JP H03160846 A 19910710 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2010013442 A1 20100121 - YAMAZAKI KAZUO [JP], et al
- [A] CN 202008524 U 20111012 - SHENZHEN CLICK TECHNOLOGY LTD, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2897248 A1 20150722; **EP 2897248 B1 20161026**; JP 2015136221 A 20150727; JP 6167912 B2 20170726; US 2015198637 A1 20150716; US 9590440 B2 20170307

DOCDB simple family (application)

EP 14198026 A 20141215; JP 2014006132 A 20140116; US 201414567501 A 20141211